Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/04/2019 10:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124078	-1	1.92	124163	1.86
Blue	F	SSC	125000	124393	-1	1.54	125195	1.53
Blue	E	FITC	16433	16033	-3	2.83	349	19.09
Blue	D	PE	27595	27312	-2	2.00	594	14.23
Blue	B	PerCP-Cy5-5	43183	42840	-1	3.55	1155	19.64
Blue	A	PE-Cy7	31943	32147	0	6.00	615	39.05
Red	C	APC	42819	42244	-2	2.37	1494	12.02
Red	A	APC-Cy7	31261	30340	-3	2.28	804	11.83
Violet	B	V450	6527	6285	-4	4.67	350	13.25
Violet	A	V500	24533	23390	-5	4.50	545	10.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17986	10.07	607	7	N/A	N/A	Pass
Blue	F	SSC	56567	1.15	549	1	N/A	N/A	Pass
Blue	E	FITC	64	62.06	537	-2	0.0230	155	Pass
Blue	D	PE	124	48.23	534	0	0.1798	281	Pass
Blue	B	PerCP-Cy5-5	213	46.98	644	2	0.0096	20	Pass
Blue	A	PE-Cy7	114	97.54	693	4	0.0120	18	Pass
Red	C	APC	356	25.70	580	-3	0.0254	221	Pass
Red	A	APC-Cy7	176	28.86	559	-4	0.0057	1110	Pass
Violet	B	V450	54	60.40	449	-6	0.0572	2467	Pass
Violet	A	V500	81	32.95	460	-7	0.0222	593	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.44	-32.07	1.01
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	15.66	13.60 - 20.40	N/A	N/A	29.67	30.09	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9746

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments